

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
9 September 2005 (09.09.2005)

PCT

(10) International Publication Number  
**WO 2005/082838 A1**

(51) International Patent Classification<sup>7</sup>: C07C 213/02,  
217/54

(21) International Application Number:  
PCT/IB2005/000534

(22) International Filing Date: 21 February 2005 (21.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
04290444.1 19 February 2004 (19.02.2004) EP

(71) Applicant (for all designated States except US):  
PPG-SIPSY [FR/FR]; Z.I. La Croix-Cadeau, B.P.  
79, F-49242 Avrille Cedex (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BERTRAND,

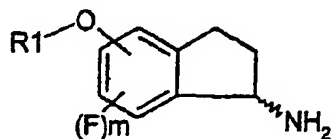
Blandine [FR/FR]; Basclot, Angrie, F-49440 Angrie (FR).  
BLANCHET, Sylvie [FR/FR]; Lotissement du Petit,  
F-49460 Feneu (FR). BURGOS, Alain [FR/FR]; 9, rue  
Paul Gauguin, F-49130 Les Ponts de Ce (FR). MARTIN,  
Juliette [FR/FR]; 2 Résidence Montesquieu, F-49100  
Angers (FR). PERRIN, Florence [FR/FR]; 12, Allée  
Garcia Lorca, F-49240 Avrille (FR). ROUSSIASSE,  
Sonia [FR/FR]; La Rebinière, F-49125 Cheffes sur Sarthe  
(FR). DERRIEN, Yvon [FR/FR]; 12, rue des Moissons,  
F-49770 La Meignanne (FR).

(74) Agents: PORTAL, Gérard et al.; Cabinet Beau de  
Loménie, 158 rue de l'Université, F-75340 Paris Cedex 07  
(FR).

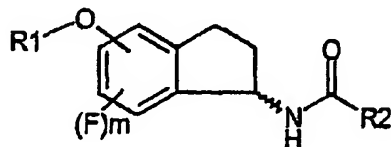
(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,

[Continued on next page]

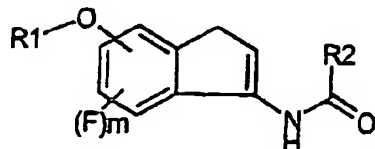
(54) Title: NEW PROCESS FOR THE SYNTHESIS OF SUBSTITUTED ALPHA -AMINOINDAN DERIVATIVES



(I)  
(R) or (S)



(II)  
(R) or (S)



(III)

(57) Abstract: A process for the preparation  
of optically active substituted *alpha*-indanyl  
amide derivatives of formula (I), which  
comprise\*: - an asymmetric hydrogenation  
reaction of an en-amide derivative of formula  
(III) in presence of hydrogen and an optically  
active catalyst, in order to obtain an amide  
derivative of formula (II), a hydrolysis reaction  
of the amide derivative of formula (II)  
obtained in the previous step, in order to obtain  
optically active substituted *alpha*-indanyl  
amide derivatives of formula (I). Formula (I),  
Formula (II) and Formula (III).



MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.